

Question 1

5. EARTHQUAKES

Deadliest Earthquakes by Year, 2009 - 2012

Year	Magnitude	Fatalities	Region
2012	6.7	113	Philippines
2011	9.0	20,896	Japan
2010	7.0	316,000	Haiti
2009	7.5	1,117	Southern Sumatra

Amended from www.usgs.gov

Examine the table above and answer each of the following questions.

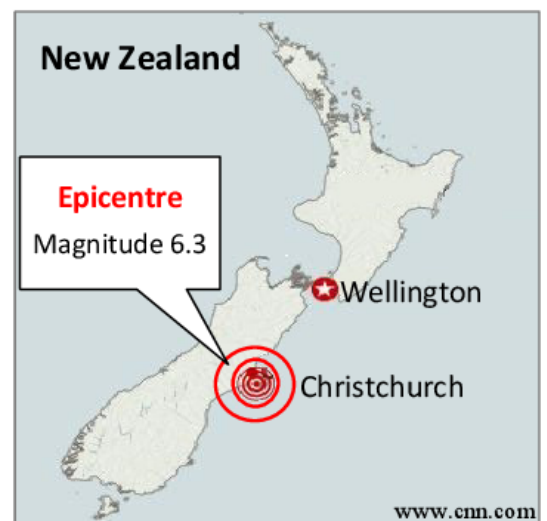
- (i) Where was the earthquake with the greatest number of fatalities? \_\_\_\_\_
- (ii) In which year was the strongest earthquake? \_\_\_\_\_
- (iii) Name the scale used to measure the force/magnitude of an earthquake.  
\_\_\_\_\_

Question 2

A. Earthquakes

Examine the map opposite and answer each of the following questions.

- (i) Explain what is meant by the term *epicentre*.
- (ii) Explain why the effects of the earthquake were greater in Christchurch than in Wellington.
- (iii) Describe **two** ways to reduce the impact of earthquakes.



### Question 3

#### 2. EARTHQUAKES

Complete each of the following sentences.

- (i) The point on the earth's surface directly above the focus of an earthquake is called the \_\_\_\_\_.
- (ii) The magnitude of an earthquake is recorded on the \_\_\_\_\_ Scale.
- (iii) A large wave that results from an earthquake under water in the ocean is known as a \_\_\_\_\_.

### Question 4

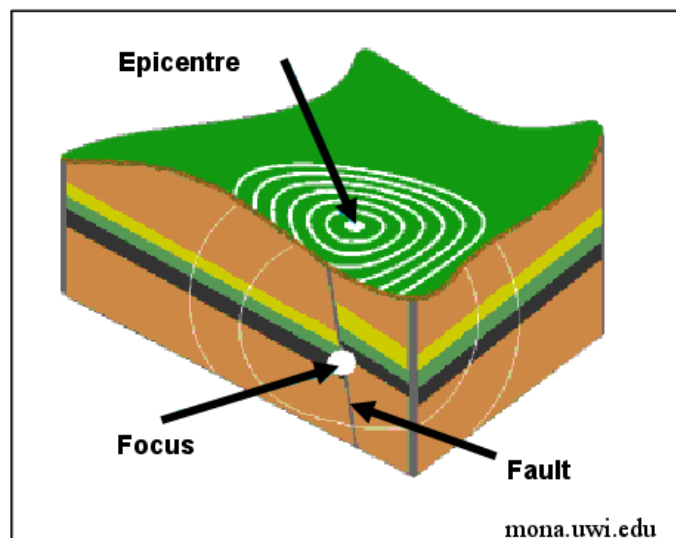
#### 2. EARTHQUAKES

Complete the following sentences.

- (i) The origin of an earthquake is known as the \_\_\_\_\_.
- (ii) A tidal wave created by an earthquake is known as a \_\_\_\_\_.
- (iii) The scale used to measure earthquakes is the \_\_\_\_\_.

### Question 5

#### B. Earthquakes

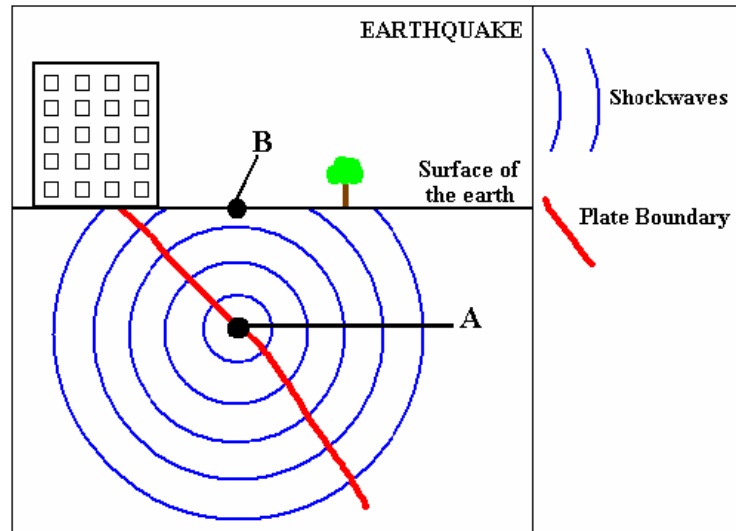


- (i) Examine the diagram above and explain each of the **three** terms shown in the diagram.
- (ii) Name **two** countries in the world where earthquakes occur.
- (iii) Name **one** method of reducing the impact of an earthquake in an urban area.

## Question 6

### A. Earthquakes

- (i) Name **one** place where earthquakes occur.
- (ii) Examine the diagram showing the shockwaves of an earthquake and name the areas labelled **A** and **B**.

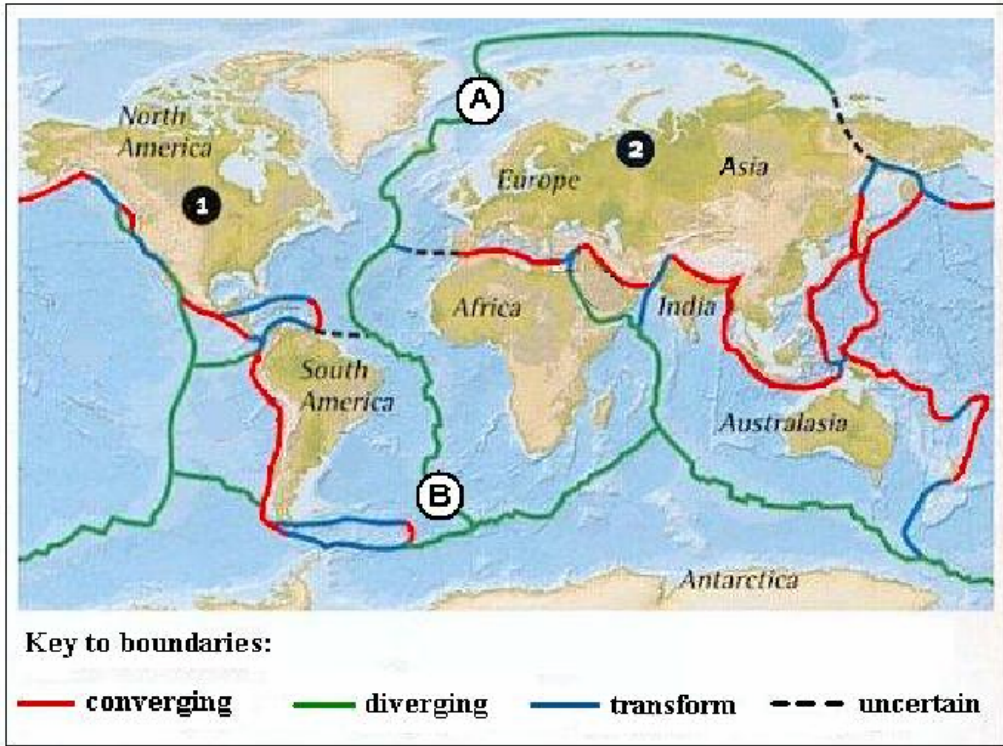


- (iii) Briefly describe the **cause** of earthquakes.

(10)

# Question 7

## Crustal Plates



Examine the map showing the world's principal crustal plates.

- (i) Name the crustal plate labelled "1". \_\_\_\_\_
- (ii) Name the crustal plate labelled "2". \_\_\_\_\_
- (iii) Name the ocean feature which results from plates separating along the line labelled A – B. \_\_\_\_\_